

anti- FHIT antibody

Product Information

Catalog No.:	FNab03108
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	8G4
IsoType:	IgG2a
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Cleaves P(1)-P(3)-bis(5'-adenosyl) triphosphate (Ap3A) to yield AMP and ADP. Can also hydrolyze P(1)-P(4)-bis(5'-adenosyl) tetraphosphate (Ap4A), but has extremely low activity with ATP. Modulates transcriptional activation by CTNNB1 and thereby contributes to regulate the expression of genes essential for cell proliferation and survival, such as CCND1 and BIRC5. Plays a role in the induction of apoptosis via SRC and AKT1 signaling pathways. Inhibits MDM2-mediated proteasomal degradation of p53/TP53 and thereby plays a role in p53/TP53-mediated apoptosis. Induction of apoptosis depends on the ability of FHIT to bind P(1)-P(3)-bis(5'-adenosyl) triphosphate or related compounds, but does not require its catalytic activity, it may in part come from the mitochondrial form, which sensitizes the low-affinity Ca(2+) transporters, enhancing mitochondrial calcium uptake. Functions as tumor suppressor.

Immunogen information

Immunogen:	fragile histidine triad gene
Synonyms:	AP3A hydrolase, AP3Aase, Bis(5 adenosyl) triphosphatase, Dinucleosidetriphosphatase, FHIT, FRA3B, fragile histidine triad gene
Observed MW:	17 kDa
Uniprot ID :	P49789

Wuhan Fine Biotech Co., Ltd.

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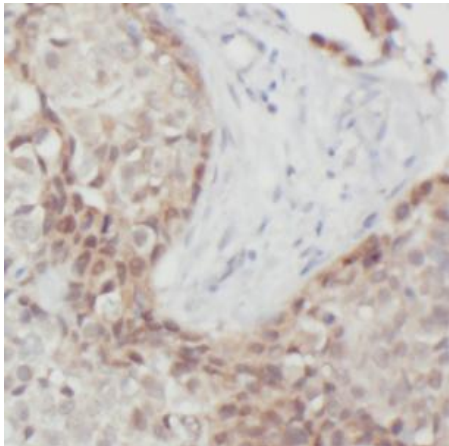
Application

Reactivity: Human

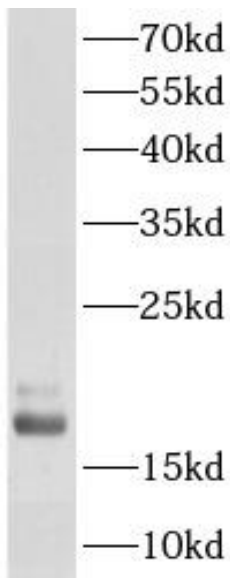
Tested Application: ELISA, WB, IF, IHC

Recommended dilution: WB: 1:500-1:1000; IHC: 1:20-1:200; IF: 1:10-1:100

Image:



Immunohistochemistry of paraffin-embedded human breast cancer slide using FNab03108(FHIT Antibody) at dilution of 1:50



K-562 cells were subjected to SDS PAGE followed by western blot with FNab03108(FHIT antibody) at dilution of 1:500

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